

ABSTRACT

A solid state light apparatus suited for use in traffic control signals and having a unitary transparent cover generating a homogenous light beam. A solid state light source comprises an area array of LEDs uniformly illuminating a light diffuser to achieve the homogenous light beam. The unitary cover has a lens defined at an inner portion thereof, and an outer portion encompassing the lens adapted to sealingly secure to the apparatus housing. The lens is continuous with the outer portion such that water and other environmental elements can not penetrate into the housing electronics.

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